This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Currently Amended) ~~Process~~ A process for ~~the~~ permanent and abrasion-resistant colored ~~coloured~~ inscription or marking of a plastic ~~plastics~~, comprising welding a polymer component to a surface of a plastic under the action of laser light during inscription or marking, where the polymer component is in ~~characterised in that use is made of~~ a layer system which comprises ~~consists of~~ two layers lying one on top of the other and separated by a support film, wherein each of these two layers may contains one or more layers, where the first layer comprises ~~consists of~~ a plastic which comprises an energy absorber intrinsically or as a layer, and the second layer applied to a support film serves as inscription medium and comprises a colorant and a polymer component~~, where the polymer component is welded to the plastic surface under the action of laser light during the inscription/marking~~.

2. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the first layer comprises ~~is composed of~~ one or more support layers, and the energy absorber is located on or between these support layers.

3. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the energy absorber is selected from the group consisting of carbon, metal oxides, silicates, SiO_2 flakes, metal oxide-coated mica and ~~and/or~~ SiO_2 flakes, conductive pigments, sulfides, phosphates, BiOCl, anthracene, perylenes, rylenes, pentaerythritol, and ~~or~~ mixtures thereof.

4. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the plastic layer comprises 0.01 – 20% by weight of energy absorber.

5. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the inscription medium essentially consists of a binder, colorants, and polymer component ~~and optionally additives~~.

6. (Currently Amended) ~~Process~~ A process according to Claim 5, wherein ~~characterised in that~~ the binder is selected from the group consisting of cellulose, cellulose derivatives, polyvinyl alcohols, polyvinylpyrrolidones, polyacrylates, polymeth acrylates, epoxy resins, polyesters, polyethers, polyisobutylene, polyamide, polyvinylbutyrals and mixtures thereof.

7. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the inscription medium comprises the polymer component in dissolved or ~~and/or~~ particulate form in an amount ~~amounts~~ of 30 – 90% by weight.

8. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the polymer component in particulate form has particle sizes of 10 nm – 100 µm.

9. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the polymer component comprises polymers selected from the group consisting of ~~consists of~~ polyesters, polycarbonates, polyolefins, polystyrene, polyimides, polyamides, and polyacetals; or comprises ~~and~~ copolymers of the said polymers, or ~~and~~ terpolymers of vinyl chloride, dicarboxylates or ~~and~~ vinyl acetate or hydroxyl/methyl acrylate or a mixture ~~mixtures~~ thereof.

10. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the inscription medium comprises organic or ~~and/or~~ inorganic colorants.

11. (Currently Amended) ~~Process~~ A process according to Claim 1, wherein ~~characterised in that~~ the inscription medium comprises 0.1 – 30% by weight of colorants, based on the polymer component ~~fraction~~.

12. (Original) Plastics which have been laser-marked or laser-inscribed by the process according to Claim 1.

13. (New) A process according to claim 1, wherein the second layer comprises the colorant in a separate layer from the polymer component.

14. (New) A process according to claim 1, wherein the first and second layers are bonded to one another by welding, adhesive bonding or lamination.

15. (New) A process according to claim 1, wherein the first and second layers are bonded to one another by hot lamination.

16. (New) A process according to Claim 1, wherein the inscription medium essentially consists of a binder, colorants, polymer component and additives.

17. (New) A process according to Claim 1, wherein sublimation of colorants or melting of glass pigments is not achieved, and wherein the inscription or marking is achieved by homogeneously warming the inscription medium and at the same time avoiding local thermal overheating.

18. (New) A process for permanent and abrasion-resistant colored inscription or marking of a plastic, comprising welding a polymer component to a surface of a plastic under the action of laser light during inscription or marking, where the polymer component is in a layer system which comprises

A) a plastic layer containing two support layers (1') and (1") which are transparent and stable to laser light and which have a laser-sensitive energy-absorber layer (2) as interlayer, and a layer (3) comprising a polymer-containing inscription medium which comprises a colorant and the polymer component, which layers (1'), (1"), (2) and (3) are bonded to one another to form a unit,

(B) a plastic layer containing a support layer (1') which is transparent and stable to laser light and which has a laser-sensitive energy-absorber layer (2) thereon, and a layer (3) comprising a polymer-containing inscription medium which comprises a colorant and the polymer component, which layers (1'), (2) and (3) are bonded to one another to form a unit,

(C) a plastic layer containing two support layers (1') and (1") which are transparent and stable to laser light and which have a laser-sensitive energy-absorber

layer (2) as interlayer, a layer (3') containing the polymer component, and a layer (3") containing a colorant, which layers (1'), (1"), (2), (3') and (3") are bonded to one another to form a unit, or

(D) a support layer (4) which is doped with an energy absorber and a layer (3) comprising a polymer-containing inscription medium which comprises a colorant and the polymer component, which layers (4) and (3) are bonded to one another to form a unit.

19. (New) A process for permanent and abrasion-resistant colored inscription or marking of a plastic, comprising welding a polymer component to a surface of a plastic under the action of laser light during inscription or marking, where the polymer component is in a layer system which comprises

two layers or two sub-layer systems,

wherein the first layer or sub-layer system contains

I) a plastic layer containing two support layers (1') and (1") which are transparent and stable to laser light and which have a laser-sensitive energy-absorber layer (2) as interlayer,

II) a plastic layer containing a support layer (1') which is transparent and stable to laser light and which has a laser-sensitive energy-absorber layer (2) thereon, or

III) a support layer (4) which is doped with an energy absorber,

wherein the first layer or sub-layer system contains

I) a layer (3) comprising a polymer-containing inscription medium which comprises a colorant and the polymer component, or

II) a layer (3') containing the polymer component, and a layer (3") containing a colorant,

wherein the two layers or two sub-layer systems are bonded to one another to form a unit.